
Sun Exposure

Definition: Respondents who answered “yes” to the question “Have you had a sunburn within the past 12 months?”

Prevalence of Sunburns

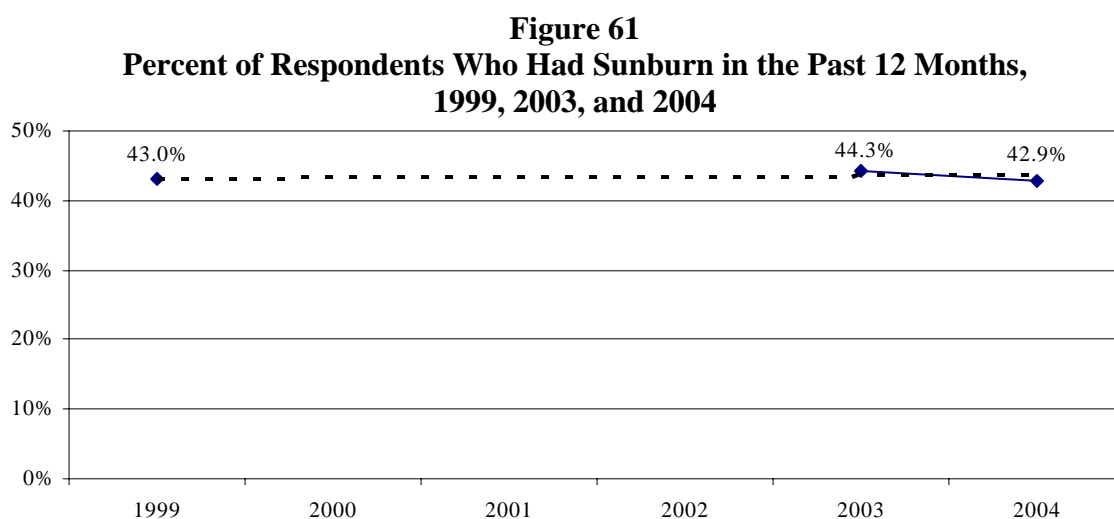
- South Dakota 42.9%
- There is no nationwide median for sunburns

Healthy People 2010 Objective

There was no stated Healthy People 2010 Objective for sunburns.

Trend Analysis

This question was first asked in 1999 and then again in 2003 and 2004. There was a slight decrease in the percent of respondents who had a sunburn in the past 12 months from 2003 to 2004.



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 1999, 2003, and 2004

Demographics

Gender	Males exhibit a significantly higher prevalence of being sunburned in the past 12 months than females.
Age	The prevalence of being sunburned generally decreases as age increases. This includes significant decreases as the 45-54, 55-64, 65-74, and 75 and older groups are reached.
Race	Whites exhibit a significantly higher prevalence of sunburns than do American Indians.
Region	The southeast, central, and west regions demonstrate a very high prevalence of sunburns, while the American Indian counties region shows a very low prevalence.

Household Income	The prevalence of sunburns generally increases as household income increases. This holds true for males more than females.
Education	The prevalence of sunburns increases as education increases. This is especially true for females.
Employment Status	Those who are employed for wages, self-employed, unemployed, or a student demonstrate a very high prevalence of sunburns, while those who are retired show a very low prevalence.
Marital Status	Those who have never been married exhibit a very high prevalence of sunburns, while those who are widowed show a very low prevalence.

Table 104
Respondents Who Had Sunburn in the Past 12 Months, 2004

	Total			Male			Female		
	# Resp.	%	95% CI	# Resp.	%	95% CI	# Resp.	%	95% CI
Total	6,129	42.9	(41.3-44.5)	2,519	49.0	(46.5-51.4)	3,610	37.0	(34.9-39.1)
Age									
18-24	338	60.4	(54.2-66.3)	149	64.2	(55.1-72.3)	189	56.5	(48.0-64.6)
25-34	786	60.8	(56.7-64.6)	335	67.8	(61.7-73.4)	451	53.3	(48.1-58.4)
35-44	1,031	57.8	(54.3-61.2)	430	62.3	(57.0-67.3)	601	53.2	(48.6-57.7)
45-54	1,277	44.0	(40.9-47.2)	567	48.7	(43.9-53.5)	710	39.2	(35.1-43.4)
55-64	965	27.5	(24.3-30.9)	406	34.3	(29.3-39.8)	559	20.8	(17.2-24.9)
65-74	884	14.0	(11.6-16.9)	366	16.5	(12.5-21.4)	518	11.9	(9.2-15.4)
75+	827	4.8	(3.3-7.0)	260	8.1	(5.0-12.8)	567	2.7	(1.5-4.8)
Race									
White	5,481	44.4	(42.7-46.1)	2,269	50.7	(48.1-53.2)	3,212	38.3	(36.1-40.5)
American Indian	435	25.8	(20.0-32.5)	164	26.5	(18.9-35.9)	271	25.1	(17.2-35.2)
Region									
Southeast	1,513	46.7	(43.7-49.7)	624	51.8	(47.3-56.3)	889	41.8	(37.9-45.8)
Northeast	1,389	40.3	(37.1-43.5)	558	48.0	(43.1-53.0)	831	32.7	(29.0-36.6)
Central	1,151	40.6	(37.2-44.1)	465	46.4	(41.0-51.9)	686	35.3	(31.3-39.6)
West	1,432	42.7	(39.6-45.9)	602	49.3	(44.6-54.0)	830	36.0	(32.0-40.3)
American Indian Counties	644	29.9	(25.6-34.5)	270	34.1	(27.6-41.3)	374	25.7	(20.6-31.6)
Household Income									
Less than \$10,000	307	33.2	(25.5-42.0)	*	*	*	*	*	*
\$10,000-\$14,999	368	26.7	(20.7-33.8)	101	35.0	(23.7-48.4)	267	22.3	(15.8-30.5)
\$15,000-\$19,999	507	28.3	(22.7-34.8)	189	37.6	(28.4-47.9)	318	20.8	(14.8-28.4)
\$20,000-\$24,999	673	34.1	(29.0-39.7)	262	40.3	(32.1-49.0)	411	28.3	(22.3-35.3)
\$25,000-\$34,999	982	45.0	(41.0-49.1)	435	50.1	(44.2-56.1)	547	39.2	(34.0-44.6)
\$35,000-\$49,999	1,044	45.3	(41.7-49.0)	474	49.7	(44.3-55.2)	570	40.4	(35.7-45.3)
\$50,000-\$74,999	908	52.6	(48.8-56.3)	407	54.8	(49.1-60.3)	501	50.4	(45.3-55.4)
\$75,000+	720	54.3	(50.0-58.4)	379	57.6	(51.7-63.2)	341	49.4	(43.5-55.3)
Education									
8th Grade or Less	258	11.6	(7.6-17.4)	131	12.1	(7.1-20.0)	127	10.9	(5.4-20.8)
Some High School	322	34.0	(26.4-42.5)	137	40.4	(29.9-51.8)	185	26.9	(16.5-40.7)
High School or G.E.D.	2,019	39.1	(36.3-42.1)	858	48.8	(44.5-53.2)	1,161	29.2	(25.7-32.9)
Some Post-High School	1,738	47.2	(44.3-50.2)	647	54.5	(49.8-59.2)	1,091	41.2	(37.5-45.0)
College Graduate	1,778	47.6	(44.8-50.4)	740	50.5	(46.2-54.8)	1,038	44.8	(41.1-48.5)
Employment Status									
Employed for Wages	3,048	51.6	(49.4-53.8)	1,249	57.4	(54.0-60.7)	1,799	45.5	(42.7-48.4)
Self-employed	827	48.4	(44.3-52.5)	545	47.9	(42.9-53.0)	282	49.4	(42.6-56.3)
Unemployed	147	43.3	(32.1-55.2)	*	*	*	*	*	*
Homemaker	287	32.8	(26.7-39.5)	*	*	*	*	*	*
Student	134	60.2	(49.5-69.9)	*	*	*	*	*	*
Retired	1,498	10.5	(8.8-12.4)	528	13.9	(10.9-17.4)	970	8.0	(6.2-10.1)
Unable to Work	184	27.5	(20.3-36.1)	*	*	*	*	*	*

Table 104 (continued) Respondents Who Had Sunburn in the Past 12 Months, 2004									
	Total			Male			Female		
	# Resp.	%	95% CI	# Resp.	%	95% CI	# Resp.	%	95% CI
Marital Status									
Married/Unmarried Couple	3,645	45.1	(43.2-47.0)	1,570	48.8	(46.0-51.6)	2,075	41.4	(39.0-43.9)
Divorced/Separated	817	36.6	(32.7-40.7)	355	45.6	(39.6-51.8)	462	28.4	(23.8-33.6)
Widowed	889	8.7	(6.8-11.1)	164	11.7	(7.0-19.1)	725	8.0	(6.0-10.5)
Never Married	764	52.5	(47.3-57.6)	425	56.1	(49.4-62.5)	339	46.6	(38.6-54.9)

Note: *Results based on sample sizes less than 100 have been suppressed.

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2004

Further Analysis

Following are data illustrating the percent of those who stated they had sunburn for various health behaviors and conditions. For example, 62.1 percent of respondents who stated they are a binge drinker had sunburn in the past 12 months, while 38.9 percent of respondents who stated they are not a binge drinker had sunburn in the past 12 months.

Table 105 Sunburn in the Past 12 Months for Selected Health Behaviors and Conditions, 2004			
Health Behavior or Condition	# Respondents	% with Sunburn	95% CI
Fair or Poor Health Status	956	25.2	21.4-29.4
Excellent, Very Good, or Good Health Status	5,160	45.5	43.7-47.2
Physical Health Not Good for 30 Days of the Past 30	394	20.6	16.1-26.0
Physical Health Not Good for 0-29 Days of the Past 30	5,681	44.1	42.5-45.8
Mental Health Not Good for 20-30 Days of the Past 30	347	41.4	34.6-48.6
Mental Health Not Good for 0-19 Days of the Past 30	5,720	43.1	41.4-44.8
Usual Activities Unattainable for 10-30 Days of the Past 30	394	34.6	28.6-41.1
Usual Activities Unattainable for 0-9 Days of the Past 30	5,714	43.4	41.7-45.1
Obese (BMI = 30.0+)	1,542	41.4	38.3-44.5
Overweight (BMI = 25.0-29.9)	2,261	44.9	42.3-47.5
Recommended Weight (BMI = 18.5-24.9)	2,042	43.0	40.2-45.9
No Leisure Time Physical Activity	1,320	29.4	26.3-32.7
Leisure Time Physical Activity	4,807	46.0	44.2-47.9
Current Smoker	1,220	43.9	40.3-47.5
Former Smoker	1,605	38.3	35.4-41.3
Never Smoked	3,295	44.5	42.2-46.7
Drank Alcohol in Past 30 Days	3,279	49.4	47.3-51.6
No Alcohol in Past 30 Days	2,813	33.7	31.4-36.2
Binge Drinker	794	62.1	57.8-66.3
Not a Binge Drinker	5,279	38.9	37.2-40.6
Heavy Drinker	207	52.5	43.8-61.0
Not a Heavy Drinker	5,848	42.5	40.9-44.2
No Mammogram within Past Two Years (40+)	654	27.8	23.7-32.2
Mammogram within Past Two Years (40+)	2,002	25.3	23.1-27.7
No Clinical Breast Exam within Past Two Years	682	30.4	25.5-35.8
Clinical Breast Exam within Past Two Years	2,880	38.5	36.3-40.8
Insufficient Cervical Cancer Screening	399	29.8	22.8-37.9
Sufficient Cervical Cancer Screening	2,242	43.1	40.5-45.7
No PSA Test within Past Two Years (40+)	803	46.7	42.6-50.8
PSA Test within Past Two Years (40+)	967	30.7	27.4-34.2
No Digital Rectal Exam within Past Two Years (40+)	817	44.7	40.7-48.8
Digital Rectal Exam within Past Two Years (40+)	1,007	32.9	29.6-36.5

Table 105 (continued)			
Sunburn in the Past 12 Months for Selected Health Behaviors and Conditions, 2004			
Health Behavior or Condition	# Respondents	% Sunburn	95% CI
No Blood Stool Test within Past Two Years (50+)	2,416	22.4	20.4-24.4
Blood Stool Test within Past Two Years (50+)	887	20.9	18.0-24.1
Never Had Sigmoidoscopy or Colonoscopy (50+)	1,651	23.7	21.3-26.2
Ever Had Sigmoidoscopy or Colonoscopy (50+)	1,672	20.2	18.0-22.5
Haven't Been to the Dentist in the Past 12 Months	1,847	37.5	34.7-40.5
Been to the Dentist in the Past 12 Months	4,270	45.0	43.1-46.9
Not Taking any Precautions Against West Nile Virus	1,906	36.9	34.0-39.8
Taking Precautions Against West Nile Virus	4,055	45.9	43.9-47.8
No Health Insurance (18-64)	368	47.6	40.7-54.6
Health Insurance (18-64)	3,901	51.4	49.5-53.4
Employer Based Health Insurance Coverage (18-64)	2,672	52.5	50.2-54.8
Private Health Insurance Plan (18-64)	531	58.3	53.1-63.4
Medicare (18-64)	117	29.4	20.6-40.1
Medicaid or Medical Assistance (18-64)	111	40.5	29.4-52.5
The Military, CHAMPUS, TriCare, or the VA (18-64)	185	52.0	43.3-60.6
The Indian Health Service (18-64)	236	27.4	19.8-36.6
No Flu Shot (65+)	419	8.0	5.3-11.7
Flu Shot (65+)	1,287	9.6	7.9-11.7
No Pneumonia Shot (65+)	579	11.1	8.4-14.4
Pneumonia Shot (65+)	1,110	8.3	6.6-10.4
Diabetes	529	24.0	19.4-29.2
No Diabetes	5,598	44.2	42.5-45.9
Current Asthma	440	35.5	29.6-41.9
Former Asthma	191	53.8	44.4-62.9
Never Had Asthma	5,475	43.0	41.3-44.7
Previously Had a Heart Attack	370	17.6	13.5-22.6
Never Had a Heart Attack	5,615	44.2	42.6-45.9
Have Angina or Coronary Heart Disease	401	19.4	15.0-24.6
Do not Have Angina or Coronary Heart Disease	5,564	44.4	42.7-46.1
Previously Had a Stroke	193	9.5	6.0-14.8
Never Had a Stroke	5,789	43.8	42.2-45.5
Physical, Mental, or Emotional Disability	1,256	29.1	25.9-32.5
No Physical, Mental, or Emotional Disability	4,797	45.7	43.9-47.5
Disability with Special Equipment Needed	449	20.7	15.4-27.2
No Disability with Special Equipment Needed	5,606	44.1	42.4-45.8
Four or More Hours of TV Watched per Day	1,423	30.3	27.2-33.6
Less Than Four Hours of TV Watched per Day	4,516	46.5	44.6-48.3
Sick from Poor Indoor Air Quality in Past Year	1,012	50.0	46.0-54.0
Not Sick from Poor Indoor Air Quality in Past Year	5,070	41.4	39.6-43.2
Sick from Outdoor Air Pollution in Past Year	424	41.8	35.7-48.0
Not Sick from Outdoor Air Pollution in Past Year	5,680	42.9	41.3-44.6
Firearm in Household	3,366	48.8	46.7-50.8
No Firearms in Household	2,529	34.7	32.2-37.4
Loaded and Unlocked Firearm in Household	274	49.0	41.5-56.5
No Loaded and Unlocked Firearms in Household	5,583	42.9	41.2-44.6
No Birth Control (females 18-44 & males 18-59)	332	50.2	43.6-56.7
Birth Control (females 18-44 & males 18-59)	1,685	58.9	56.1-61.6
Never Been Tested for HIV (18-64)	3,087	50.7	48.5-52.9
Been Tested for HIV (18-64)	1,155	51.5	48.0-55.0
Military Veteran	1,008	35.3	31.8-39.0
Not a Military Veteran	5,107	44.4	42.6-46.2

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2004

